

3M Office of Intellectual Property Counsel

PO Box 33427 St. Paul, Minnesota 55133-3427

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PATENT

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		Transmittal of Application Under 37 Cl	FR 1.60		•	
		nissioner of Patents and Trademarks ngton, D.C. 20231	Anticipated Classification pplication under 37 CFR 1.60 filed on			
-		07/633 064				
dí	_J	Joseph P. Kronzer and James F. Dyrud (Inventor(s))				
for		FIBROUS FILTRATION FACE MASK				
		(Title of Invention)	<u> </u>			
1.	\(\S\)	The enclosed application papers are a true copy of the prior application (includin and oath or declaration). No amendments referred to in the oath or declaration prior application introduced new matter therein. Enclosed is a new application and an oath or declaration.				
3.	\mathbf{X}					
	~	This is a Continuation X division				
		of Application No. 07/632,964 filed December	er 20,	1990	·	
4.	X	Cancel claims 1-24				
5.	X	A preliminary amendment is enclosed.				
6.	K	3 sheet(s) of drawings is/are enclosed. (formal drawing	ngs)			
7.		Transfer the drawings from the prior application to this application and abandon the	prior applica	tion.		
8.	X	This application is being filed by less than all the inventors named in the prior application being claims				

Harvey J. Berg and Roger J. Stumo

Clai	ms As Filed, After Account	ing For Any Claims Cancelled In	Paragraphs 4 Or 5 Abo	ve	
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$710.00	
Total Claims	9 - 20 =	0	X \$22.00	0	
Independent Claims	dent 2 3 = 0		X \$74.00	0	
Additional fee for	\$230:00	0			
Assignment Recording Fee \$40.00					
			Total Filing Fee Due	710.0	

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9.	X	Enclosed is\$710 No. 13-3723.	0.00	Please charge a	ny additional	fees or credit any	over payment to Deposit Ad	count
0.	X	An assignment is		enclosed or	X	of record in prior	r application.	
1.	X	A power of attorney is		nclosed o	or	of record in	prior application.	
2		Other					•	
Re	cistrati	on Number	Telephone Number		Respectfull	y setomitted,	· M	
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§ 1.60 Continuation or divisional application for invention disclosed in a prior application.

(a) [Reserved]

(b) An applicant may omit signing of the oath or declaration in a continuation or divisional application (filed under the conditions specified in 35 U.S.C. 120 or 121 and § 1.78 (a)) if (1) the prior application was a complete application as set forth in § 1.51 (a), (2) applicant indicates that the application is being filed pursuant to this section and files a true copy of the prior complete application as filed including the specification (including claims), drawings, oath or declaration showing the signature or an indication it was signed, and any amendments referred to in the oath or declaration filed to complete the prior application, (3) the inventors named in the continuation or divisional application are the same or less than all the inventors named in the prior application, and (4) the application is filled before the patenting or abandonment of or termination of proceedings on the prior application. The copy of the prior application must be accompanied by a statement that the application papers filed are a true copy of the prior application and that no amendments referred to in the oath or declaration filed to complete the prior application introduced new matter therein. Such statement must be by the applicant or applicant's attorney or agent and must be a verified statement if made by a person not registered to practice before the Patent and Trademark Office. Only amendments reducing the number of claims or adding a reference to the prior application (§ 1.78 (a)) will be entered before calculating the filing fee and granting the filing date. If the continuation or divisional application is filed by less than all the inventors named in the prior application, a statement must accompany the application when filed requesting deletion of the names of the person or persons who are not inventors of the invention being claimed in the continuation or divisional application. If a true copy of the prior application as filed is not filed with the application or if the statement that the application papers are a true copy is omitted, the application will not be given a filling date earlier than the date upon which the copy and statement are filed, unless a petition with the fee set forth in § 1.17(i)(1) is filed which satisfactorily explains the delay in filing these items.

(c) If an application filed pursuant to paragraph (b) of this section is incomplete, applicant will be notified and given a time period within which to complete the application in order to obtain a filing date as of the date of filing the omitted item provided the omitted item is filed before the patenting or abandonment of or termination of preceedings on the prior application. If the ommission is not corrected within the time period set, the application will be returned or otherwise disposed of; the fee, if submitted, will be refunded less the handling fee set forth in § 1.21(n).

[50 FR 9379, March 7, 1985, as amended at 54 FR 47519, November 15, 1989.]

Being duly sworn, We. Joseph P. Kronzer, Roger J. Stumo, James F. Dyrud, and Harvey J. Berg

the United States of America , residing respectively at depose and say that: (1) we are citizens of City of St. Paul, County of Ramsey, State of Minnesota; City of Coon Rapids, County of Anoka, State of Minnesota; Township of Stanton, County of St. Croix, State of Wisconsin; and City of St. Paul, County of Ramsey, State of Minnesota (2) we have reviewed and understand the contents of attached specification, including the claims, as amended by any amendment specifically referred to herein, and we verily believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

METHODS OF FORMING FIBROUS FILTRATION FACE MASKS

(F.N. 45751USA1A

described and claimed therein and for which a patent is sought: (3) we do not know and do not believe that this invention or discovery was ever known or used in the United States of America before our invention or discovery thereof, or patented or described in any printed publication in any country before our invention or discovery thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application; (4) that this invention or discovery has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by us or our legal representatives or assigns more than twelve months before this application; (5) we hereby acknowledge our duty to disclose to the Patent and Trademark Office information we are aware of which is material to the examination of this application in accordance with Title 37. Code of Federal Regulations, §1.56(a)*; and (6) no application for patent or inventor's certificate on this invention or discovery has been filed by us or our legal representatives or assigns in any country foreign to the United States of America.

We hereby appoint Donald M. Sell (Reg. No. 17,324), John C. Barnes (Reg. No. 20,278), Walter N. Kirn (Reg. No. 21.196), Roger R. Tamte (Reg. No. 21.093) Terryl K. Qualev (Reg. No. 25,148, Warren R. Bovee (Reg. No. 26,434) (Reg. No. and Karl G. Hanson (Rosexxixia.) **XXX**

our attorneys with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation-in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith; the mailing address and the telephone number of the above-mentioned attorneys are

> Karl G. Hanson Attention: 3M Office of Patent Counsel P.O. Box 33427 St. Paul, Minnesota 55133-3427 Telephone No. (612) 733-1500

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the attached specification and we hereby subscribe our names to the foregoing specification and claims, oath, power of attorney, and this petition, this 1940.

1.00 Inventor:

St. Paul, Minnesota 55133-3427

Post Office Address: P.O. Box 33427

2. mInventor: James F. Dyrud

Post Office Address: P.O. Box 33427

St. Paul, Minnesota 55133-3427

ΜN

SS.

STATE OF MINNESOTA

COUNTY OF RAMSEY Inventor:

Roger

Post Office Address: P.O. Box 33427

St. Paul, Minnesota 55133-3427

Inventor: Harvey J. (E)

Post Office Address: P.O. Box 33427

St. Paul, Minnesota 55133-3427

Before me personally appeared

Joseph P. Kronzer and James F. Dyrud

Jander S.

to me known to perthorpersons described in the above application for patent, who signed the foregoing instrument in OR HANDEACH TOOK the callegations set forth therein as being under oath, on the day and year NOTARY FURLIC MUNICIPAL S my presence, an aforesaid. DAKOTA COUNTY

My Comm. Expires July 27, 1994 (SEAL)

This form may be executed only when attached to the

Whereas we. Joseph P. Kronzer, Roger J. Stumo, James F. Dyrud, and Harvey J. Berg

citizens of the United States of America residing respectively at City of St. Paul, County of Ramsey, State of Minnesota; City of Coon Rapids, County of Anoka, State of Minnesota; Township of Stanton, County of St. Croix, State of Wisconsin; and City of have made an invention in St. Paul, County of Ramsey, State of Minnesota

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and have today executed an application for Letters Patent of the United States of America based thereon;

Now, Therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the said Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the day and year set forth below.

SS.

Joseph P. Knonzer

James F. Dyrud

Roger J. Stumo

Harry J Rara

STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 1945 day of Alexander, 1990, before me personally appeared the above-named

Joseph P. Kronzer and James F. Dyrud

personally known to me, and known by me to be the persons described in and who executed the foregoing instrument, and who acknowledged that they executed the same as their free act and deed, on the day and year aforesaid.

(Scal)

SANDRA R. COOK
HOTARY PUBLIC—MINNESOTA
DAKOTA COUNTY
My Correr. Expires July 27, 1994

Sandra R. Cask

3M Office of Patent Counsel P.O. Box 33427 St. Paul, Minnesota 55133-3427 U.S.A. STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this 20th day of December, 1990, before me personally appeared Roger J. Stumo and Harvey J. Berg to me known to be the persons described in the above application for patent, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein as being under oath, on the day and year aforesaid.

CAROL A. BUETTNER
NOTARY PUBLIC MEMOSOTIA
RAMSEY COUNTY
My Corror. Expires Jan. 29, 1996

Notary Public